

DESCRIPTION

The F-Bay I5 series is an outstanding solution for high mounting height industrial or retail applications. The F-Bay I5 optic has been optimized to provide maximum performance from the T5 lamps. Optional uplight component is provided to enable excellent ceiling uniformity.

APPLICATION

The I5's high lumen package allows the benefits of fluorescent to be applied at high mounting heights that were traditionally exclusive to H.I.D. The primary benefits include exceptional color rendering, high system efficacy, 95% lumen maintenance, long lamp life, instant on/instant re-strike, economical dimming, and uniform brightness control. Primary applications include "big box" retail, shopping malls, light industrial, school gymnasiums, etc.

SPECIFICATION FEATURES

A...Construction

Housing, end plates and socket tracks are die formed code gauge, prime cold rolled steel. the housing features an integral ballast channel that adds strength and provides numerous KO's for easy installation. Die formed high reflectance internal reflectors for efficiency and control. Uplight slots available as an option for nominal 8% uplight component.

B...Electrical

Ballasts are Class "P" and are positively secured by mounting bolts. Rotor-lock miniature Bi-Pin lampholders. UL/CUL listed. Suitable for damp locations. An optional top ballast access plate enables service from above without disturbing the internal optics.

C...Finish

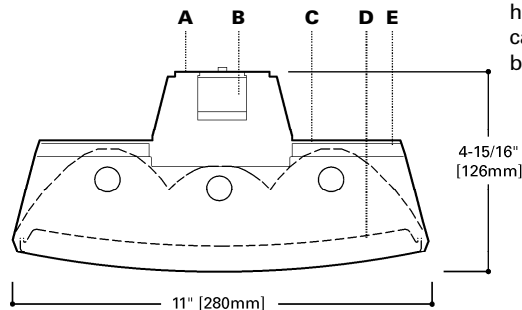
Electrostatically applied baked white enamel finish is preceded by a multistage cleaning cycle, iron phosphate coating with rust inhibitor.

D...Downlight/Uplight Optics

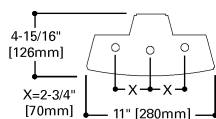
Open downlight design optimizes performance. An attractive thin blade white baffle adds longitudinal shielding without significantly compromising performance. A frosted white acrylic lens is also available. An optional heavy duty wireguard can be used with or without the lens or baffle. The uplight option is provided to enable ceiling uniformity.

E...Mounting

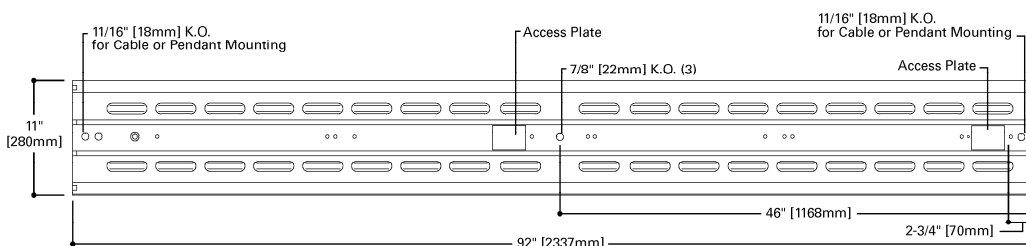
The F-Bay I5 series is ideally suited for surface, suspension mounting with optional wire hook and chain set, stem or cable mounting. Top connector box mounting is also available.



LAMP CONFIGURATIONS



MOUNTING DATA



Catalog #		Type
Project		
Comments		Date
Prepared by		



8I5355

8'
3 LAMPS

Retail/Light Industrial
T5 Linear Fluorescent Hi-Bay
Lighting System



PRODUCT INCLUDES:

- 8' Fixture; 3 T5HO Lamps per 4' Section (in Tandem)
- 5000K GE Lamps
- Universal Voltage
- ULT Program Start Ballasts
- Up-light
- Top Connector Box Plate
- Thin Blade White Baffle

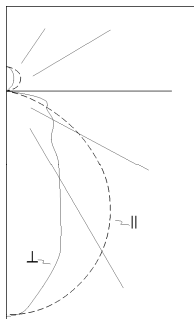
ENERGY DATA

Input Watts:
EB Ballast & T5HO Lamps
8T354T5 (363)

Luminaire Efficacy Rating
LER =71
Catalog Number: I5-354T5-TBW-UPL

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.40

PHOTOMETRICS

**I5-354T5-TBW-UPL**

(2) Electronic Ballasts

(3) F54T5/HO lamps
4400 lumens

Spacing criterion:

(H) 1.1 x mounting

height, (L) 0.7 x

mounting height

Efficiency 94.2%

Test Report:

I5354T5TBWUPL.IES

LER =71

Yearly Cost of 1000

lumens, 3000 hrs at

.08 KWH = \$3.40

Candela

Angle	Along H	45°	Across L
0	7874	7874	7874
5	7768	7650	7475
10	7509	6940	6603
15	7128	6204	5643
20	6672	5355	4271
25	6130	4243	3340
30	5545	3346	2792
35	4907	2766	2110
40	4239	2269	1901
45	3541	1782	1786
50	2841	1580	1648
55	2161	1430	1496
60	1522	1235	1290
65	943	1011	1199
70	591	774	1174
75	409	541	846
80	250	372	195
85	110	176	91
90	1	85	31

Coefficients of Utilization

	Effective floor cavity reflectance												20%						
rc	80%				70%				50%				30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																			
0	110	110	110	110	107	107	107	107	100	100	100	94	94	94	89	89	89	86	
1	102	99	95	92	99	96	93	90	90	88	86	85	83	82	81	79	78	76	
2	95	88	83	78	91	86	81	76	81	77	74	77	74	71	73	70	68	66	
3	88	79	73	68	85	77	71	66	73	68	64	70	66	62	67	63	60	58	
4	81	71	64	59	79	70	63	58	66	61	57	63	59	55	61	57	53	51	
5	75	64	57	51	73	63	56	51	60	54	50	58	52	48	55	51	47	45	
6	70	59	51	46	68	57	50	45	55	49	44	53	47	43	51	46	42	41	
7	65	54	46	41	63	52	46	41	50	44	40	48	43	39	47	42	38	36	
8	60	49	42	37	59	48	41	36	46	40	36	44	39	35	43	38	34	33	
9	56	45	37	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29	
10	53	41	34	29	51	40	34	29	39	33	29	37	32	28	36	31	28	26	

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	4535	34.4	36.5
0-40	6495	49.2	52.3
0-60	9563	72.4	76.9
0-90	11373	86.2	91.5
0-180	12428	94.2	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	36	40	29	37
30 x 30	31	33	26	27
30 x 60	28	29	27	26
60 x 30	34	35	31	31
60 x 60	29	29	29	28

ORDERING INFORMATION

SAMPLE NUMBER: 8T15-354T5-TBW-UNV-LGF54T5M/850K-TU-B454PUNVE/B254PUNVD-UPL-TCBP-U

Length 8T=8' Length	Series I5=T5 Industrial	No. of Lamps 3=3 Lamps (6 Lamps on 8' Fixture)	Lamp Type 54T5=T5HO GE Lamps (48"), 5000K	Voltage UNV=Universal 120/277V Voltage	Ballast =Universal Lighting Technology T5HO 4 Lamp and 2 Lamp Electronic Program Start Ballasts	Additional Items UPL=Uplight Apertures TCBP=Top Connector Box Plate	Packaging U=Unit Pack
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SHIPPING INFORMATION

Catalog No.	Wt.
815355	30 lbs.